

SEQUENCE LISTING

<110> Ouellet, Therese
Miki, Brian
Foster, Elizabeth
Martin-Heller, Teresa
Tian, Lining
Brown, Daniel C
Zhang, Peijun
Hattori, Jiro
Malik, Kamal
Wu, Kegiang
Tropiano, Raymond
Theilmann, David A

<120> Translational Regulatory Elements

<130> 08-685707us2

<140>

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<160> 21

<170> PatentIn Ver. 2.1

<210> 1

<211> 2224

<212> DNA

<213> Nicotiana tabacum

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gtcaaaaggg aacttcaccc tccctagttct ttatttccaa catacatggg gagtaatgct 180
aaatttacat agaagaataa taaaatgaac tgaactaat gatgtactgt tccaaagaga 240

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<210> 2

<211> 188

<212> DNA

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<223> Description of Artificial Sequence: NdeI-SmaI
fragment of rCUP (T1275)

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catcatcttc accrcaaaac ccaccggaat acatggettc tcaagccgtg gaaaccttat 120

actcacctcc ctttgcctc acagctactcg gccgtcgacc gcggtaccgg ggtgggtcagt 180

cccttatg 188

<210> 3

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: delta N with
Kozak sequence

<400> 3

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atcatcctca cctcaaaacc caccggccac catggcctct agaggacccc ggtgggtcag 120

tcccttatg 129

<210> 4

<211> 119

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: deltaN without
Kozak sequence

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atcatcctca cctcaaaacc caccggctca gaggatcccc ggtgggtcag tcccttatg 119

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<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Linker 1

<400> 5

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23

<210> 6

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker 2

<400> 6

atctctcaaa ctctctcgaa cctt

24

<210> 7

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker 3

<400> 7

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18

<210> 8

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker 4

<400> 6

atcatcctca ctcacaaacc cacc

24

<210> 9

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker 5

<400> 9

agcctctcar catcctcacc tcaa

24

<210> 10

<211> 602

<212> DNA

<213> Nicotiana tabacum

<220>

<223> RENT 1

<220>

<223> where n is A, T, G or C

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ttttaatacg actcactata gggaaaagctt ataattacaa aattgattct agtatcttta 120

atttaatat tttacattat taattcaattt agaagtttta attttttttc agaaatcatt 180

ttactatctt tataaaaaca aaagggaaaa gtggttattt aaatactagc cctatttcatt 240

ttcaattata gcttaaaatc agccccaatt aaccccaatt ccaaattcaa acgggccagc 300
ccaattccta aaatgaccgc ctccctaacc gcttttccaa ccgcccggc ttcccccttc 360
gatccagget gttgatcatt ttgatcaacg gccagaattt ccccttccct ttttaattcc 420
caaacacccc ccaaccttat cccgtttctc accaaccgac agatccatcc tcttatctct 480
caaatctctc cgaaccttcc cctaacccta gcagcctctc atcactctca cctcaaaaac 540
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aa 602

<210> 11
<211> 610
<212> DNA
<213> Nicotiana tabacum

<220>
<223> RENT 2

<400> 11
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agratTTTTA atttaacatt tatacattat taattaactt agtactttca attcgTTTTc 180
aaaaattatt ttactattct ttgtaaaata aaagggagaa aatggctatt taaatactag 240
ccctattTTta ttcaatttt agcctaaaat cagcccccaa ttaaccccaa tttcaaattc 300
aaatgggaca gcccaattcc taaaataacc cggccctaac cctcttatcc aaccacccg 360
atttccccct ttgatccagg ttgtgatca ttttgatcaa cgaccagaat ttcccccttc 420
ctgtttttta ttcccaaaca ccccccaacc ctatccatt tctcaccaac cgccagatct 480

atctctttat ctctcaaact ctctcgaacc tttccctaac cctagcagcc tctcatcacc 540
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tatgtgcgtc 610

<210> 12
<211> 507
<212> DNA
<213> Nicotiana tabacum

<220>
<223> where n is A, T, G or C

<220>
<223> RENT 3

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aataccagcc ctattttatt tcaattttta cctaaaatca gcccagtta gcccacaacg 180
gcccatecca attcctaata taactcgccc ctaaccgcct tatecaatcc gcccggttcc 240
ctttttgac caggccggtg atcattttga tcaacgacca gaatttcccc tttcttttt 300
taattcccaa acaccgcaa accatccca tttctacca accgccagat ctatctctt 360
atctctcaaa ctctctcga ctttcccta acctagcag cctctcatca tctcacctc 420
aaaaccacc ggccaccatg gcctctagag gatccccggg tggtcagtcc ctatgtnac 480
gnccataaatg nccgnccctgn nnnnnnc 507

<210> 13
<211> 599

<212> DNA

<213> Nicotiana tabacum

<220>

<223> RENT 5

<400> 13

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atttaatat tttacattat taattaattt agtactttca atttgctttc agaaatcatt 180
ttactatggc ttataaaata aaagggagaa aatggctatt taaatactag cccatcttta 240
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tcaaactctc tgaaccttc cctaaccct agcagcctct catcatctc acctcaaac 540
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<210> 14

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<212> DNA

<213> Nicotiana tabacum

<220>

<223> where n is A, T, G or C

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<223> RENT 7

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actttcaatt tattttcaga aaccatttta ctatttttta taaaataaaa gggacaaaar 240
ggetatttaa ataccaacac tattttattt caatttttagc ctaaaatcaa acccaattaa 300
ccccaaacgg gccagcccaa ttcttaaaac aaccgcccc taaccgcgtt atccaaccgc 360
cccgatttcc tcttttgatc caggccgttg atcattttga tcaacggcca gaatttcccc 420
tttctttttt tcattcccaa acacccccaa acctatccca tttctcacca accgccagat 480
ctatctcttt atctctcaaa ctctctcgaa ccttccctta acctagcag cctctcata 540
tctcacctc aaaaccacc gccaccatg gcctctagag gatccccggg tggtcagtc 600
cttatgttac gtcctn 616

<210> 15

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SCAN 1

<400> 15

aagactcaaa ctctctcgaa cctt

24

<210> 16

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SCAN 2

<400> 16

atctgagaaa ctctctcgaa cctt

24

<210> 17

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SCAN 3

<400> 17

atctctcggg ctctctcgaa cctt

24

<210> 18

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SCAN 4

<400> 18

atctctcaaa gactctcgaa cctt

24

<210> 19

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SCAN 5

<400> 19
atctctcaaa ctcagacgaa cctt

24

<210> 20
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SCAN 6

<400> 20
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24

<210> 21
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SCAN 7

<400> 21
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24

22
47
DNA
Artificial Sequence

Description of Artificial Sequence: 2xL2

22
ATCTCTCAAACCTCTCTCGAACCTTTCTCTCAAACCTCTCTCGAACCTT

23

24

DNA

Artificial Sequence

Description of Artificial Sequence: B1-L2

23

ATCTCTCAAACATCTGAAACTT

24

24

DNA

Artificial Sequence

Description of Artificial Sequence: B7-L2

24

ATCTCTCAAACATCTCTCAAACCTT

25

21

DNA

Artificial Sequence

Description of Artificial Sequence: L2D1

25

ATCTCTCCTCTCTCAAACCTT

26

21

DNA

Artificial Sequence

Description of Artificial Sequence: L2D2

26

ATCTCTCAAACATCTCTCGATT

27

18

DNA

